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FORM 8-73 **26** USE PREVIOUS EDITIONS.

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THE WHITE HOUSE
WASHINGTON

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Copy

May 11, 1978

Presidential Directive/NSC-37

TO: The Vice President
 The Secretary of State
 The Secretary of Defense
 The Secretary of Interior
 The Secretary of Agriculture
 The Secretary of Commerce
 The Director, Office of Management and Budget
 Assistant to the President for National
 Security Affairs
 Assistant to the President for Domestic
 Affairs
 Director, Arms Control and Disarmament Agency
 Chairman, Joint Chiefs of Staff
 Director of Central Intelligence
 Administrator, National Aeronautics and Space
 Administration
 Director, Office of Science and Technology
 Policy

SUBJECT: National Space Policy (U)

This directive establishes national policies which shall guide the conduct of United States activities in and related to the space programs and activities discussed below. The objectives of these policies are (1) to advance the interests of the United States through the exploration and use of space and (2) to cooperate with other nations in maintaining the freedom of space for all activities which enhance the security and welfare of mankind. (C)

1. The United States space program shall be conducted in accordance with the following basic principles. (U)

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a. Commitment to the principles of the exploration and use of outer space by all nations for peaceful purposes and for the benefit of all mankind. "Peaceful purposes" allow for military and intelligence-related activities in pursuit of national security and other goals. (C)

b. The exploration and use of outer space in support of the national well-being and policies of the United States. (U)

c. Rejection of any claims to sovereignty over outer space or over celestial bodies, or any portion thereof, and rejection of any limitations on the fundamental right to acquire data from space. (U)

d. The space systems of any nation are national property and have the right of passage through and operations in space without interference. Purposeful interference with operational space systems shall be viewed as an infringement upon sovereign rights. (U)

e. The United States will pursue activities in space in support of its right of self-defense. (U)

f. The United States will maintain a national intelligence space program. (C)

g. The United States will pursue space activities to increase scientific knowledge, develop useful civil applications of space technology, and maintain United States leadership in space. (U)

h. The United States will conduct international cooperative space-related activities that are beneficial to the United States scientifically, politically, economically, and/or militarily. (U)

i.




j. The United States will maintain current responsibility and management relationships among the

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sectors focused on civil, defense, and national intelligence objectives. (C)

k. Close coordination, cooperation, and information exchange will be maintained among the space sectors to avoid unnecessary duplication and to allow maximum cross-utilization, in compliance with security and policy guidance, of all capabilities. (U)

2. The United States will conduct those activities in space which are necessary to national defense. 

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a. Security. The military space program, including dissemination of data, shall be conducted in accordance with Executive Orders and applicable directives for protection of national security information, and commensurate with both the missions performed and the security measures necessary to protect related (national intelligence) space activities. (C)

b.

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on,

Collected information that cannot be attributed to space systems will be classified according to its content.

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-- The fact that the United States conducts satellite reconnaissance for intelligence purposes, without disclosing the generic type of activity, will be classified

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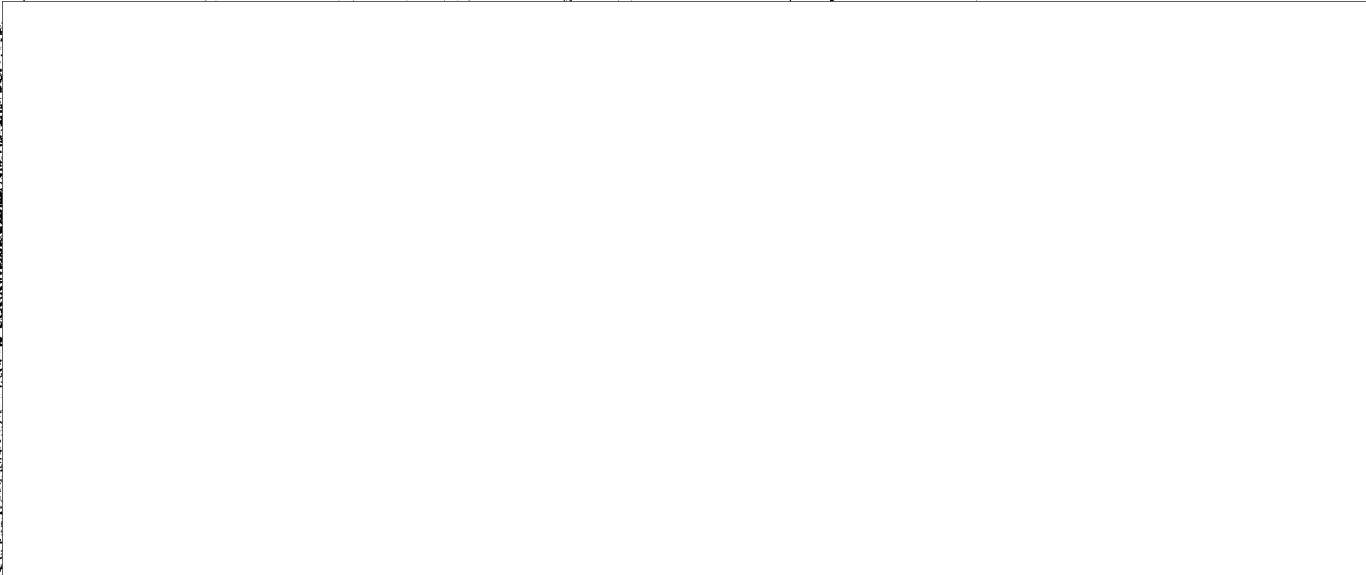
CONFIDENTIAL (Exempt from the General Declassification Schedule) and handled outside the special security control system. (C)



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— Strict control over public statements and background concerning space reconnaissance will be maintained. (C)

— Further changes to the space intelligence security policy can be authorized only by the President. (C)



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c. Interactions with Civil Community.
Selected space-related products and technology shall be made available to civil agencies within appropriate security

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CIV 4. The United States shall conduct civil space programs to increase the body of scientific knowledge about the earth and the universe; to develop and operate civil applications of space technology; to maintain United States leadership in space science, applications, and technology; and to further United States domestic and foreign policy objectives. The following policies shall govern the conduct of the civil space program. (U)

a. The United States shall encourage domestic commercial exploitation of space capabilities and systems for economic benefit and to promote the technological position of the United States, except that all United States earth-oriented remote sensing satellites will require United States Government authorization and supervision or regulation. (U)

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c. Data and results from the civil space programs will be provided the widest practical dissemination, except where specific exceptions defined by legislation, Executive Order, or directive apply. (U)

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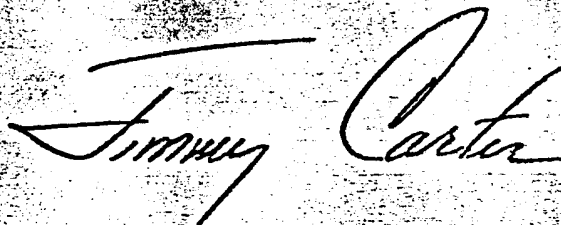
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f. The United States will develop, manage, and operate the Shuttle-based Space Transportation System through NASA in cooperation with the DoD to service all authorized space users--domestic and foreign, commercial and governmental--and will provide launch priority and necessary security to military and intelligence missions while recognizing the essentially open character of the civil space program. Mission control is the responsibility of the mission agency.

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5. The NSC Policy Review Committee shall meet when appropriate to provide a forum to all federal agencies for their policy views; to review and advise on proposed changes to national space policy; to resolve issues referred to the Committee; and to provide for orderly and rapid referral of open issues to the President for decision as necessary. The PRC will meet at the call of the Chairman for these purposes, and when so convened, will be chaired by the Director, Office of Science and Technology Policy. (U)

Interagency coordinating mechanisms will be employed to review and coordinate pertinent issues and projects, make evaluations, and implement policy decisions where appropriate. Special areas of interest include security and political risks involved with technology transfer and federal and private space operations involving remote sensing and communications. Unresolved policy issues will be forwarded to the PRC for review and resolution. (C)

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APPENDIX B

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THE WHITE HOUSE

WASHINGTON

REF ID: A4460-78

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October 10, 1978

Presidential Directive/NSC-42

TO: The Secretary of State
 The Secretary of Defense
 The Secretary of the Interior
 The Secretary of Agriculture
 The Secretary of Commerce
 The Secretary of Energy
 The Director, Office of Management and Budget
 The Assistant to the President for Domestic
 Affairs and Policy
 The Administrator, Agency for International
 Development
 The Director, Arms Control and Disarmament
 Agency
 The Chairman, Joint Chiefs of Staff
 The Director of Central Intelligence
 The Administrator, National Aeronautics and
 Space Administration
 The Director, Office of Science and Technology
 Policy
 The Director, National Science Foundation

SUBJECT: Civil and Further National Space Policy (U)

This directive establishes national policies based on Presidential review of space policy issues submitted by the Policy Review Committee (Space). The President has approved civil and further national space policies which shall guide the conduct of United States space programs and activities discussed below. These policies are consistent with and augment decisions reached in PD/NSC-37--National Space Policy. (C)

ADMINISTRATION CIVIL SPACE POLICY. The United States' overarching civil space policy will be composed of three basic components. (U)

First: Space activities will be pursued because they can be uniquely or more efficiently accomplished in space. Our space policy will become more evolutionary rather than centering around a single, massive engineering feat. Pluralistic objectives and needs of our society will set the course for future space efforts. (U)

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Second: Our space policy will reflect a balanced strategy of applications, science, and technology development containing essential key elements that will:

Emphasize applications that will bring important benefits to our understanding of earth resources, climate, weather, pollution, and agriculture. (U)

— Emphasize space science and exploration in a manner that permits the nation to retain the vitality of its space technology base, yet provides short-term flexibility to impose fiscal constraints when conditions warrant. (U)

— Take advantage of the flexibility of the Space Shuttle to reduce operating costs over the next two decades. (U)

— Increase benefits by increasing efficiency through better integration and technology transfer among the national programs and through more joint projects. (U)

— Assure US scientific and technological leadership for the security and welfare of the nation and to continue R&D necessary to provide the basis for later programmatic decisions. (U)

— Provide for the private sector to take an increasing responsibility in remote sensing and other applications. (U)

— Demonstrate advanced technological capabilities in open and imaginative ways having benefit for developing as well as developed countries. (U)

— Foster space cooperation with nations by conducting joint programs. (U)

— Confirm our support for the continued development of a legal regime for space that will assure its safe and peaceful use for the benefit of all mankind. (U)

Third: It is neither feasible nor necessary at this time to commit the US to a high-challenge, highly-visible space engineering initiative comparable to Apollo. As the resources and manpower requirements for Shuttle development phase down, we will have the flexibility to give greater attention to new space applications and exploration, continue programs at present levels, or contract them. An adequate Federal budget commitment will be made to meet the objectives outlined above. (U)

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SPACE APPLICATIONS. The President has approved the following:Government Role in Remote Sensing

1. Land Programs. Experimentation and demonstrations will continue with LANDSAT as a developmental program. Operational uses of data from the experimental system will continue to be made by public and private users prepared to do so. Strategies for the future of our civil remote sensing efforts are to be addressed in the FY 1980 budget review. This review should examine approaches to permit flexibility to best meet the appropriate technology mix, organizational arrangements, and potential to involve the private sector. (U)
2. Integrated Remote Sensing System. NASA will chair an interagency task force to examine options for integrating current and future potential systems into an integrated national system. This review will cover technical, programmatic, private sector, and institutional arrangements. Emphasis will be placed on user requirements; as such, agency participation will include Commerce, Agriculture, Interior, Energy, State, appropriate Executive Office participation, as well as Defense, the DCI, and others as appropriate. This task force will submit recommendations to the Policy Review Committee (Space) by August 1, 1979, for forwarding to the President prior to the FY 1981 budget review. (U)
3. Weather Programs. In the FY 1980 budget review, OMB—in cooperation with Defense, the DCI, NASA, and NOAA—will conduct a cross-cut review of meteorological satellite programs to determine the potential for future budgetary savings and program efficiency. Based on this cross-cut, the Policy Review Committee (Space) will assess the feasibility and policy implications of program consolidation by April 1, 1979. (U)
4. Ocean Programs. Any proposed FY 1980 new start for initial development of a National Oceanic Satellite System (NOSS) will be reviewed based on a ZBB priority ranking. The Policy Review Committee (Space) will assess the policy implications of combining civil and military programs as part of this process. (U)

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5. Private Sector Involvement. Under the joint chairmanship of Commerce and NASA, along with other appropriate agencies, a plan of action will be prepared by February 1, 1979, on how to encourage private investment and direct participation in the establishment and operations of civil remote sensing systems. NASA and Commerce jointly will be the contacts for the private sector on this matter and will analyze proposals received before submitting to the Policy Review Committee (Space) for consideration and action. (U)

Declassification of Photoreconnaissance Imagery. A selective and phased public release of photoreconnaissance imagery or information warrants careful assessment before acceptance or rejection. An interagency task force with appropriate user agency participation chaired by the DCI will submit an options paper to the Policy Review Committee (Space) by February 15, 1979. (S)

Communications Satellite R&D. NASA will undertake carefully selected communications technology R&D. The emphasis will be to provide better frequency and orbit utilization approaches. Specific projects selected will compete with other activities in the budget process. (U)

Communications Satellite Services. Commerce's National Telecommunications and Information Administration (NTIA) will formulate policy to assist in market aggregation, technology transfer, and possible development of domestic and international public satellite services. This policy direction is intended to stimulate the aggregation of the public service market and for advanced research and development of technology for low-cost services. Under NTIA this effort will include: (a) an identified 4-year core budget for Commerce to establish a management structure--competitive against other budgetary priorities in Commerce--to purchase bulk services for domestic and international use; (b) support for advanced R&D on technologies to serve users with low-volume traffic requirements subject to its competitiveness against other applications expenditures; and (c) AID and Interior coordination with NTIA in translating domestic experience in emerging public service programs into potential programs for lesser-developed countries and remote territories. (U)

Long-term Economic Activity. It is too early to make a commitment to the development of a satellite solar power station or space manufacturing facility. There are very useful intermediate steps that would allow the development and testing of

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key technologies and experience in space industrial operations without committing to full-scale projects. We will pursue an evolutionary program to stress science and basic technology--integrated with a complementary ground program--and will continue to evaluate the relative costs and benefits of proposed space activities compared to earth-based activities. (U)

SPACE SCIENCE AND EXPLORATION GOALS

Priorities at any given time will depend upon the promise of the science, the availability of particular technology, and the budget situation in support of the following Presidentially-approved goals:

- We will maintain US leadership in space science and planetary exploration and progress. (U)
- The US will continue a vigorous program of planetary exploration to understand the origin and evolution of the solar system. Our goal is to continue the reconnaissance of the outer planets and to conduct more detailed exploration of Saturn, its moons, and its rings; to continue comparative studies of the neighboring planets, Venus and Mars; and to conduct reconnaissance of comets and asteroids. (U)
- To utilize the space telescope and free-flying satellites to usher in a new era of astronomy, as we explore interstellar molecules, quasars, pulsars, and black holes to expand our understanding of the universe and to complete the first all sky survey across the electromagnetic spectrum. (U)
- To develop a better understanding of the sun and its interaction with the terrestrial environment. Space probes will journey towards the sun. Earth orbiting satellites will measure the variation in solar output and determine the resultant response of the earth's atmosphere. (U)
- To use the Space Shuttle and Spacelab, in cooperation with the Western Europeans, to conduct basic research that complements earth-based life science investigations and human physiology research. (U)
- Our policy in international space cooperation should include three primary elements: (1) support the best science available regardless of national origin, but expand our international planning and coordinating effort; (2) seek

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supplemental foreign support only for selected experiments--spacecraft which have been chosen on the basis of sound scientific criteria; and (3) avoid lowering cooperative activities below the threshold where our science and international cooperative efforts would suffer. (U)

STEPS TO INCREASE BENEFITS FOR RESOURCES EXPENDED. The President has approved the following:

Strategy to Utilize the Shuttle

1. The strategy for providing some backup expendable launch vehicles (ELV's) is prudent. The exact requirements for ELV procurement will be reviewed in the FY 1980 budget review as will the five Defense and intelligence systems proposed for accelerated transition. The key determinant is the readiness of the Shuttle. (S)
2. As we move toward Shuttle, we will review national policy on separate organizational control to determine whether potential cost savings are possible. Separate Defense and NASA Shuttle support facilities are being prepared to respond to different requirements for orbits, security, and operations. OMB will undertake a budget cross-cut--taking into account all critical factors--on Shuttle operational management responsibility with NASA, Defense, and the DCI and make recommendations on this issue during the FY 1980 budget review. Based on this cross-cut, the Policy Review Committee (Space) will review these recommendations in terms of impact on policy. (C)
3. Incremental improvements in the Shuttle transportation system will be made as they become necessary and will be examined in the context of emerging space policy goals. An interagency task force will make recommendations on what future capabilities are needed. Representation will include NASA, Defense, the DCI, Commerce, Interior, Agriculture, OMB, NSC, OSTP, State, and others as appropriate. This task force will submit the findings to the Policy Review Committee (Space) for transmittal to the President by August 1, 1979. (U)
4. Current Shuttle survivability provisions will be limited to existing maneuverability capabilities and to encryption of command and data links to, from, and between space segments. Concerned agencies--NASA, the DCI, and Defense--will study what future steps might be necessary to fully comply in the

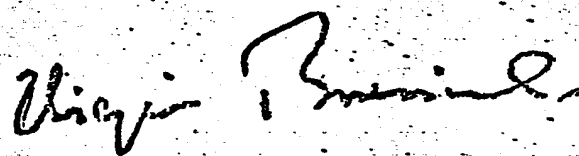
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long term with PD/NSC-37 and make recommendations to the Policy Review Committee (Space) by August 1, 1979, so that appropriate findings can be reflected during the FY 1981 budget process. (S)

Technology Sharing. The existing Program Review Board (PRB) will take steps to enhance technology transfer between the sectors. The objective will be, as directed in PD/NSC-37, to maximize efficient utilization of the sectors while maintaining necessary security and current management relationships among the sectors. The PRB will submit an implementation plan to the Policy Review Committee (Space) by May 15, 1979. In addition, the PRB will submit subsequent annual progress reports. (U)



Zbigniew Brzezinski

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